

K.H.L. Key  
10-21/10/66

10/10/66

10510 Mallee to 15ft on undulating red-brown  
*Leucos nov. 47 sp. 3, Leucos nov. 75 sp. 12*  
sand with scattered *Troodia irritans*, *Cassia*  
*sp.*, *Kochia sp.*, *Bassia sp.*, etc. — on road  
Balranald to Euston.

510 40 mile peg to Euston.

12/10

(3 mi. peg)

11000 Post Augusta outskirts, left on  
Wilmington road.

003. *Kochia pyramidata*, *Atriplex vesicaria*,  
*Austrocyathochaeta*, *Pygmaea sp.* P110a, *Maraba sp.* P29.

dense to 3ft with scattered *Acacia*  
*Repleta sp. 2, Coprosma sp. 1, Macrotaphia sp. 1, Cratogeomys*  
*Victoriae* on flat brown soil plain,  
*sp. 2, Coryphoptes muricola*  
low *Bassias* & other annuals to 9 in;

much bare ground.

010. Undulating red-brown soil with bare  
*Cupressus hicksonii*, *Chortolista stemmifera*,

patches with abundant stones of  
*Austrocyathochaeta*  
different sizes. Open *K. pyramidata* to  
2ft. w sparse *Bassias* & ephemerals,  
incl. some grass, to 6 in., consid. bare  
ground, trace of self-mulching. ? *Cupressus*

on the most stony & barest patches  
sloping down to a gutter.

015. 17-mi. peg from Port Augusta, Bn.  
<sup>shallow</sup> creek w. *canadulensis* to 50ft. & *Atriplex*  
*Goniacantha* sp. 2, *Copernata* sp. 1, *Agelota diversipes*,  
or *Rhagodia* to 2ft. leading up to steep  
very stony beech slopes of Flinders  
Range w. sparse grass & herbage to 1ft.  
*Peribacca* *australis*

but often 3m on scattered bare  
patches, on the south-facing slope w.  
fairly dense *Acacia victoriae* & 2 other  
phyllode acacias (spec. Marg.)

018. Summit of Horrocks Pass. Hilly, steep  
slopes, with remotely spaced mallee  
scrub, grass, incl. *Boena fabra* dense  
to 1ft w. patchy *Echinoplantaginum*,  
patchy bare ground w. very thin 3m  
grass herbage & much small stone.  
*Cratilopus* on this.

020. Turn-off to Hancock's look-out

025. Hancock's look-out. Return.

032 Birmingham049. Bruce053 = 049. Return on Birmingham road057 Level brown soil with patches of stone average diam 2 in. Barley grass (dead) to 3 in mainly dense, w bare stony patches.13/10.11099 3 in. peg from Port Augusta.102. Stirling North.109. Steep slopes with smooth irregular, *Cupressus testacea*, *Chortolites tenuifera*, *Cape Myrica* sp. 1, mainly pale stones, average size 3 in. on *Perloccia exaltata*, *Austroacacia crinita*, *Cratilopus* sp. 2, brown soil. Fairly dense *K. pyramidata*, *Replecia* sp. 2, *Moraea* sp. 129 to 1 ft with sparse grass to 2 in + much bare stony ground.114 Hallie to 10 ft + scattered *Callitris* to 20 ft on steep rocky slopes with *Cratilopus* sp. 2, *Azela diversipes*, *Perloccia exaltata*, *Sedum* sp. 9, *Schraetia* sp. + low cover.123 Quorn.124 Depart Quorn

138. Warren's Gorge, E. camaldulensis to  
*Acacia halimifolia*, *Acacia distans*,  
 left in creek leading to Callitris huegelii on  
*Coniacaoides* sp. 8, *Psoralea cuneata*  
 stony slopes w. widely scattered clumps  
 of *Triodia* & low grasses to 3 in. Much  
 bare ground. Brown soil.

147 Buckaringa Gorge. Very steep rocky  
*Acacia distans*, *Psoralea cuneata*  
 slopes with *Callitris huegelii* leading  
 down to a creek with *E. camaldulensis*.  
 Brown soil. *Triodia* sp., *Cassinia* sp., &  
 other small shrubs to 2 ft., sparse grass  
 to 6 in.

14/10.

169. Depart Quorn for Hawker.

174. Flat plain with brown soil, slightly  
*Cyperus alopecurus*, *Austroicetes cruciata*  
 self-mulching in places with scattered  
 depressions bearing green herbage, & large  
 bare patches of stone averaging 2 in in diam.  
 Grass & forbs, mainly dead, to 3 in. Chert.

191. Gordon

192. Creek with *camaldulensis* leading  
*Cyperus alopecurus*, *Austroicetes cruciata*, *Spodopis villosa*

up to somewhat stony brown soil w  
scattered *K. pyramidata* & *A. victoriae*.  
*A. cruciata* abundant.

195. Stony slope, brown soil. Mainly *Bassia*  
<sup>*Capparea* sp. 1</sup>  
sp. to 2 in, v. occ. *K. pyramidata*. Slight  
tendency to depressions.

200. Slope with vertically bedded shale.  
<sup>*Capparea* sp. 1</sup>  
Brown soil. Miscellaneous shrubs to 1 ft,  
*Bassia* & grasses, some bare ground.

202. Wilson.

212. Hawker.

<sup>16/10</sup>  
255. Milperra Pond Chalet depart.

258. Turned left to Blinman

261. Bulgeroo turn-off

274. Orapoorinna H.S.

279. Brachina turn-off

282. Steep slope with horizontally bedded  
<sup>*Nyelota diversipes*, *Apotropeis vittata*</sup>  
outcrops of shale + much irregular broken  
<sup>Scattered</sup>  
stone. *Platelia* sp. to 10 ft w scattered  
*Callitris huegelii* to 20 ft + occ. mallee to

15ft. Herbage to 7in, mostly dry.

297. Blinman. Cemetery. Fairly dense stand  
*Cyperus* sp. 1, *Aporosis villosa*, *Aristida* sp.,  
 of *Helichrysum* sp., *Kochia* sp., *Atriplex vesicaria*,  
 all to 1ft, w ground cover of grasses & forbs  
 to 6in on brown soil gentle slope.

303. Dry creek w occ. *Camaldulensis* P.  
*Goniodidea* sp. 6, *Aporosis villosa*, *Cardellina* sp.,  
 50ft., *Acacia* spp. to 6ft, *Cassia* sp to 4ft &  
*Urtica australis*, *Agrostis diversipes*  
 misc. smaller shrubs; grasses & forbs to  
 1ft, wild hops occ. Stony.

306 Angorichina Hostel

308. Steep stony slope w occ. *A. victoriae*.  
 Ground cover mainly *Trichium* sp. to 6in.  
 Matted on ground.

313 Gentle stony slope w *A. victoriae* leading  
 more numerous *Cyperus* & *Heliccia*,  
 to stony flat w *K. pyramidata*. *Bassia*  
*Urtica guttulosa*, *Pycnostictus scirpifolius*  
 sp. to 3in sparse.

319. Parachilna

[On 15/10 collected on the floor of the Pann  
*Agrostis diversipes*, shrubby *Aporosis villosa*, *Peribacca*  
 and on the lower slopes of the rocky  
*villosa*, *Crochula juncea*, *Chorizanthe tenuifolia*,  
 northern saddle, 6mi. from the Chaleb.]  
*Pycnostictus scirpifolius*

fairly dense

17/10 Collected under *Callitris luegelii* &  
*Acacia* *Elia obscura*, *Convolvulus australis*,  
*Euc. intertexta* on lower slopes of outer  
*Acacia* *acutata*, *Sorbus* *acutata* (?) *Rhododendron*  
 wall of Pennant within 1 mi. N + S of  
 the Chalet. Much stony ground, much  
 debris under trees, esp. *E. intertexta*.  
*Isachalkia* mainly associated with  
 debris in vicinity of stones. Brown soil.

18/10

2 mi from Chalet.

species

Mt. John, *Dumpracra*-group on a *Cassinia* (?)  
*Agelata* *diversipes*, *Leucospiza* *sp.* 1, *Monacha* *sp.*  
 Growing sparingly in upper few hundred feet,  
*P129*, *M. sp.* (*bioculata* group)  
*matica*-group species on *Olearia* *sp.* (?) on  
 lower slopes. Tettigoniid on *Triodia* *sp.*

The greater part of the mountain is treeless,  
 with a little mallee to 8 ft near summit.  
 Mainly low shrubs to 1 ft, *Triodia*, &  
*Leomandra*. Very poor grasshopper population.

376 Wilpuna Chalet depart.382 Turned off to Bunyeroo Valley

383 Rolling hills with outcropping dark shale  
*Austroicetes cruciata*, *A. arida*, *Chorizandra*  
 + patches of flat stone, skeletal soil. Widely  
*terminifera*, *Isachalkia obscura*

scattered *Calitris*, a perennial tussocky grass to 1ft moderately dense; other grasses to 6 in.

386. Forked left.

388. Belt of large dark brown boulders of very <sup>*Austrobrachyotus arida*, *Gomphosporus*?</sup> coarse sandstone w. a perennial grass tussocks to 1ft, *Solanum* sp. & *Trichinium* to 10 in. Chert.

394 Bungee Gorge. Gravelly & sandy bed of <sup>*Acrocalymma obscura*, *Goniocarpus* sp. 8, *Sphingostylis*</sup> creek, lined with *causidulensis* to 80 ft. <sup>*Creptropterus*, *Perloccia*, *Mittata*</sup>  
*Gonocarpus australasicae* + *Pardillana* nymphs.

Chert. Low green herbage on banks.

19/10

471 Cradock

499. Carrieton

509. Eucelia

524. Otteroo

568. Flat plain w brown soil, mainly bare <sup>*Cratichneumon* sp. 1, *Phanerochaete* sp. 1, *Austrobrachyotus*</sup> with stones of various colours, sparse <sup>*cruciata*, *Qualeya* *maculata*</sup>  
*Bassia* + *Atriplex* spp. to 3 in, patches denser



*Calocophthalmus* sp., grass & *Atriplex* to 9 in.

577. Joined Peterborough-Broken Hill road.

579. Paratoo?

593. Yunta

21/10.

12094 Left Lake Cargelligo on Hillston road.

12104. Northern tip of low range running  
*Coryphantha muricata*, *Dualetia maculata*,  
 north-south. Steep rocky & stony slope  
*Senecio* nov. 95 *ochracea*.  
 with *E. divyri* (?) & *C. huegelii* leading to  
 gentle lower slope w. *E. populifolia*,  
*E. intertexta*, *C. huegelii*, & occ. *ailga*,  
 buddah & Kurrajong. Small fern among  
 rocks in places. Sparse grasses *suaedica*  
 to 6 in., now green, but severe drought  
 previously. Return to Lake Cargelligo.